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APPLICATION NO.	Fil	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/652,023	09/02/2003		Chia-Chen Liao	LIAO3060/EM	1540
23364	7590	06/03/2005		EXAMINER	
BACON & 625 SLATE		S, PLLC	DOWLING, WILLIAM C		
FOURTH FLOOR				ART UNIT	PAPER NUMBER
ALEXANDRIA, VA 22314			2851		
				DATE MAILED: 06/03/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

		\mathcal{K}				
	Application No.	Applicant(s)				
	10/652,023	LIAO ET AL.				
Office Action Summary	Examiner	Art Unit				
	William C. Dowling	2851				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the o	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	nely filed rs will be considered timely. Ithe mailing date of this communication. ED (35 U.S.C. § 133).				
Status	1					
1) Responsive to communication(s) filed on 5/19/	<u>0</u> .5					
2a) ☐ This action is FINAL . 2b) ☑ This	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ☐ Claim(s) 1-3,5,11 and 12 is/are pending in the 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) 11 and 12 is/are allowed. 6) ☐ Claim(s) 1-3 and 5 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.					
Application Papers						
9)☐ The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	* * * * * * * * * * * * * * * * * * * *					
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document * See the attached detailed Office action for a list 	s have been received. s have been received in Applicat rity documents have been receiv u (PCT Rule 17.2(a)).	ion No ed in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	rate Patent Application (PTO-152)				

Application/Control Number: 10/652,023

Art Unit: 2851

DETAILED ACTION

Claim Rejections - 35 USC § 102

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-3, 5 rejected under 35 U.S.C. 103(a) as being unpatentable over Magarill (6,461,000) in view of Choi.

Magarill discloses a projection arrangement comprising:

a light source (33), a light valve (35), and a projection lens (39) arranged adjacent to three sides of the prism unit;

a prism (17) for passing light from the source to the light valve and reflecting modulated light to the light valve by total internal reflection.

As best as the terms "straight pillar prism and triangular pillar prism are defined in the specification, additional prism (15) is interpreted as forming a system in combination with prism (17) or conversely as an auxiliary prism.

Magarill does not teach the use of a single prism as the light directing means.

Art Unit: 2851

Choi teaches the use of a single prism exhibiting total internal reflection properties for transmitting light through two prism surfaces and reflecting modulated light through only two surfaces to a projection lens.

It would have been obvious to one skilled in the art at the time of the invention to modify the device of Magarill by the substitution of a single prism for the dual prism unit because Choi teaches the desirability of the single prism over a two prism unit, as described in Prior Art Figure 1. Both single and double prism units may act in total reflection modes.

Allowable Subject Matter

- 3. Claims 1-12 are allowed.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Dowling whose telephone number is 571-272-2116. The examiner can normally be reached on MON-TUES, THURS-FRI.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russ Adams can be reached on 571-272-2851. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

William C. Dowling Primary Examiner

Art Unit 2851

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